

**Notice of Allowability**

Application No.

09/756,858

Examiner

Christopher Onuaku

Applicant(s)

KANG, BAE GUEN

Art Unit

2616

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to supplemental amendment filed 1/13/06.
2. ☒ The allowed claim(s) is/are 1,4-8,10-20,33&34 (now renumbered 1-15,17,18,16&19, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. Claims 1,4-8,10-20&33-34 are allowable over the prior art of record.
2. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to broadcast programs, including a system and method for synchronizing video indexing between an audio/video signal and data during recording and playback of a broadcast program.

The closest reference Sezan et al (US 6,236,395) disclose a system for managing audiovisual information, including a system for audiovisual information browsing, filtering, searching, archiving, and personalization.

However, Sezan et al fail to explicitly disclose a system for synchronizing video indexing between an audio/video (A/V) signal and data for a broadcast program, where the system further comprises wherein the broadcast data synchronization and transmission system includes a contents production and synchronization unit which comprises a stream unit which detects GOP positions of an MPEG stream to be broadcast on a TV, a shot/scene unit which sets and marks the XML tag in the corresponding GOP positions detected by the stream unit, an XML unit which synchronizes the marked XML tag with the MPEG stream to broadcast, and a generation unit which generates and outputs the XML tag information based upon the result from the XML unit.

Regarding claim 8, the invention relates to broadcast programs, including a system and method for synchronizing video indexing between an audio/video signal and data during recording and playback of a broadcast program.

The closest reference Sezan et al (US 6,236,395) disclose a system for managing audiovisual information, including a system for audiovisual information browsing, filtering, searching, archiving, and personalization.

However, Sezan et al fail to explicitly disclose a system for synchronizing video indexing between an audio/video (A/V) signal and data for a broadcast program, where the system further comprises wherein the contents production and synchronization unit comprises a stream unit which detects GOP positions of an MPEG stream to be broadcast on a TV, a shot/scene unit which sets and marks the XML tag in the corresponding GOP positions detected by the stream unit, an XML unit which synchronizes the marked XML tag with the MPEG stream to broadcast, and a generation unit which generates and outputs the XML tag information based upon the result from the XML unit.

Regarding claim 14, the invention relates to broadcast programs, including a system and method for synchronizing video indexing between an audio/video signal and data during recording and playback of a broadcast program.

The closest reference Sezan et al (US 6,236,395) disclose a system for managing audiovisual information, including a system for audiovisual information browsing, filtering, searching, archiving, and personalization.

However, Sezan et al fail to explicitly disclose a receiving system in a system for synchronizing video indexing between an A/V signal and data for a broadcast program, where the system further comprises a media control unit which synchronizes an object file in the broadcast program stored in the storage unit and controls an operation of a video cartridge recorder, where the object file is a combination of an MPEG file and the XML file, a synchronization decomposition unit which searches for synchronized positions of specified section of the broadcast program based on the outputs from the XML parser unit and the media control unit, and a metadata index unit which systematically stores information output from the synchronization decomposition unit.

Regarding claim 18, the invention relates to broadcast programs, including a system and method for synchronizing video indexing between an audio/video signal and data during recording and playback of a broadcast program.

The closest reference Sezan et al (US 6,236,395) disclose a system for managing an audiovisual information, including a system for audiovisual information browsing, filtering, searching, archiving, and personalization.

However, Sezan et al fail to explicitly disclose a method for synchronizing video indexing between an audio/video (A/V) signal and data for a broadcast program, where the method further comprises wherein the contents production and synchronization

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(P/S) unit includes a stream unit which detects GOP positions of an MPEG stream to be broadcast on a TV, a shot/scene unit which sets and marks the XML tag in the corresponding GOP positions detected by the stream unit, an XML unit which synchronizes the marked XML tag with the MPEG stream to broadcast, and a generation unit which generates and outputs the XML tag information based upon the result from the XML unit.


### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
COO  
1/27/06

  
James J. Groody  
Supervisory Patent Examiner  
Art Unit 262 2616